

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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Sheet 1 of 5

Application Number

09/624,820

Filing Date

July 25, 2000

First Named Inventor

Michael Francis Dube

Group Art Unit

1731

Examiner Name

Attorney Docket Number

JJ-124B

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
SAW	1	Re. 32,095		Wu et al.	03-25-86	
	2	3,316,919		Green et al.	05-02-67	
	3	3,424,171		Rooker	01-28-69	
	4	3,478,015		Onishi et al.	11-11-69	
	5	3,722,516		Suwa et al.	03-27-73	
	6	3,760,815		Deszyck	09-25-73	
	7	3,920,026		Warfield et al.	11-18-75	
	8*	3,929,141		Beringer et al.	12-30-75	
	9	3,828,798		Harper et al.	08-13-74	
	10	3,934,594		Beringer et al.	01-27-76	
	11	4,040,431		Ashworth et al.	08-09-77	
	12	4,079,742		Rainer et al.	03-21-78	
	13	4,150,677		Osborne, Jr. et al.	04-24-79	
	14	4,184,495		Rainer et al.	01-22-80	
	15	4,286,606		Swain et al.	09-01-81	
	16	4,306,577		Wu et al.	12-22-81	
	17	4,407,307		Gaisch et al.	10-04-83	
	18	4,421,126		Gellatly	12-20-83	
	19	4,481,956		Chan	11-13-84	
	20	4,506,682		Muller	03-26-85	
	21	4,516,590		Teng	05-14-85	
	22	4,537,204		Gaisch et al.	08-27-85	
	23	4,538,627		Chan et al.	09-03-85	
	24	4,566,468		Sachleben et al.	01-28-86	

Examiner Signature

Dionne A. Hols

Date

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		Number	Kind Code ⁴ (if known)			
↓	25	4,596,259		White et al.	06-24-86	
	26	4,605,016		Soga et al.	08-12-86	
	27	4,607,646		Lilly, Jr. et al.	08-26-86	
	28	4,628,947		Driscoll et al.	12-16-86	
	29	4,638,816		Cox et al.	01-27-87	
	30	4,674,519		Keritsis et al.	06-23-87	
	31	4,677,994		Denier et al.	07-07-87	
	32	4,701,282		Chan et al.	10-20-87	
	33	4,715,388		Rainer	12-29-87	
	34	4,744,375		Denier et al.	05-17-88	
	35	4,760,854		Jewell et al.	08-02-88	
	36	4,827,949		Sunas	05-09-89	
	37	4,941,484		Clapp et al.	07-17-90	
	38	4,986,286		Roberts et al.	01-22-91	
	39	5,016,654		Bernasek et al.	05-21-91	
	40	5,018,540		Grubbs et al.	05-28-91	
	41	5,038,802		White et al.	08-13-91	
	42	5,060,663		Rainer	10-29-91	
	43	5,060,669		White et al.	10-29-91	
	44	5,065,775		Fagg	11-19-91	
	45	5,074,319		White et al.	12-24-91	
	46	5,099,862		White et al.	03-31-92	
	47	5,121,757		White et al.	06-16-92	

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Dionn A. Walls	10-19-01

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		Number	Kind Code ⁶ (if known)			
DAW	48	5,131,415		Munoz et al.	07-21-92	
	49	5,159,942		Brinkley et al.	11-03-92	
	50	5,234,008		Fagg	08-10-93	
	51	5,235,992		Sensabaugh, Jr.	08-17-93	
	52	5,284,166		Cartwright et al.	02-08-94	
	53	5,318,050		Gonzalez-Parra et al.	06-07-94	
	54	5,339,838		Young et al.	08-23-94	
	55	5,413,122		Shu et al.	05-09-95	
	56	5,598,868		Jakob et al.	02-04-97	
	57	6,048,404		White	04-11-00	

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ¹⁰
		Office ⁷	Number ⁸	Kind Code (if known) ⁹				
DAW	58	DE	1 517 280		General Cigar Co Inc.; Dr.-Ing. H. Negendank	09-11-69		A
	59	GB	572,236					
	60	GB	1,383,029		H.F.&Ph.F. Reemtsma			
	61	GB	2 239 654	A	Brown & Williamson Tobacco Corp.			
	62	FR	2 767 649	A1	Saint Val Anita et Raimondo Gerard	03-05-99		A
	63	JP	57-71388		Sanei Chemical Industries, Ltd.	05-04-82		T
	64	JP	61-15675	A2	Takaya et al.	01-23-86		A

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⁵ Unique citation designation number.

⁶ See attached Kinds of U.S. Patent Documents.

⁷ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁸ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁹ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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		Office ¹¹ 13	Number ¹²	Kind Code (if known)				
SAW	65	EP	0 110 693	A1	Philip Morris Inc.	06-13-84		
	66	EP	0 517 407	A2	R. J. Reynolds Tobacco Co.	12-09-92		
	67	EP	0 821 886	A2	R. J. Reynolds Tobacco Co.	02-04-98		
	68	PCT	WO 97/04673	A1	Brown & Williamson Tobacco Corp.	02-13-97		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
SAW	69	<i>Factors Affecting the Formation of Pyrazine Compounds in Sugar-Amine Reactions</i> , P. E. Koehler et al., J. Agr. Food Chem., Vol. 18, No. 5, 1970, pp. 895-898	
	70	<i>Formation of Pyrazine Compounds in Sugar-Amino Acid Model Systems</i> , P. E. Koehler et al., J. Agr. Food Chem., Vol. 17, No. 2, Mar.-Apr. 1969, pp. 393-396	
	71	<i>Mutarotation, Hydrolysis, and Rearrangement Reactions of Glycosylamines</i> , H. S. Isbell et al., The Journal of Organic Chemistry, Vol. 23, No. 8, 1958, pp. 1309-1319	
	72	<i>Parameter Effects on the Thermal Reaction of Cystine and 2,5-Dimethyl-4-hydroxy-3(2H)-Furanone</i> , C. Shu et al., Chap. 21, Thermal Generation of Aromas, 1989 American Chemical Society, pp. 229-241	
	73	<i>Pyrazine Formation From Serine and Threonine</i> , C. Shu, J. Agric. Food Chem., Vol. 4A, No. 10, 1999, pp. 4332-4335	
	74	<i>Studies on the Aroma of Roasted Coffee</i> , W. Grosch et al., Thermally Generated Flavour, Flavour Science: Recent Developments, pp. 200-205	
	75	<i>The Design of Cigarettes</i> , C. L. Browne, 1979, pp. 17-24, 56	
	76	<i>The Reaction of Glucose with Some Amines</i> , E. Mitts et al., Journal of the American Chemical Society, Vol. 66, No. 2, 1944, pp. 483-487	
	77	<i>The Variety of Odors Produced in Maillard Model Systems and How They Are Influenced by Reaction Conditions</i> , M. J. Lane et al., Maillard Reactions, 1983 American Chemical Society, pp. 141-158	
Examiner Signature	Diem A. Walls		Date Considered 10-19-01

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¹¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

¹² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

¹³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

¹⁴ Applicant is to place a check mark here if English language Translation is attached.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the book (when appropriate), (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
LAU	78	Carmel, Properties and Analysis, Encyclopaedia of Food Science Food Technology and Nutrition, pp. 655-664
↓	79	Analysis of Aromatic Caramel, I. Pons et al., Food Chemistry 39 (1991) pp. 311-320
↓	80	Formation of Furaneol in Heat-Processed Foods, P. Schieberle, Flavor Precursors Thermal and Enzymatic Conversions, 1992 American Chemical Society, Chapter 12, pp. 164-174
↓	81	GC and Sensory Techniques Coupled in Caramel Flavor Analysis, I. Pons, Perfumer & Flavorist, Vol. 20, March/April 1995, pp. 15-18
Examiner Signature	Dienne A. Wals	
Date Considered	10-19-01	

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